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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/731,848	12/08/2000	Seog Yeon Han	2950-0177P	8852
2292	7590	04/12/2006	EXAMINER	
BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747			PYZOCHA, MICHAEL J	
			ART UNIT	PAPER NUMBER
			2137	

DATE MAILED: 04/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/731,848	HAN, SEOG YEON	
	Examiner	Art Unit	
	Michael Pyzocha	2137	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 March 2006.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,5,8,9,12,13,15 and 21-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,5,8,9,12,13,15 and 21-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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DETAILED ACTION

1. Claims 1, 5, 8, 9, 12, 13, 15 and 21-25 are pending.
2. Amendment filed 03/30/2006 has been received and considered.

Claim Objections

1. Claims 23 and 25 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Each of these claims recite the size of the file characteristic field is one byte, since the characteristic field is made up of eight one bit fields the characteristic field of claims 22 and 24 is already one byte.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at

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the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1, 5, 8, 9, 12, 13, 15, 21-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Caffarelli et al (US 6091686) further in view of Takechi et al (US 6684210) and further in view of NetWare (webpage).

As per claims 1, 5, 8 and 15, Caffarelli et al discloses pre-storing information on an optical disk in attribute fields (see column 11 line 45 through column 12 line 12 and column 18 lines 10-26).

Caffarelli et al fails to disclose file attributes for renaming, moving and copying of files.

However, Takechi et al teaches copying and moving attributes and checking the attributes before executing a command (see Figures 1, 3, and 6, and column 13 line 40 through column 14 line 13) and NetWare teaches prohibiting the renaming of a file (see figure 17 pages 18-19).

At the time of the invention it would have been obvious to a person of ordinary skill in the art to include Takechi et al's and NetWare's fields in the system of Caffarelli et al.

Motivation to do so would have been to protect copyrighted material (see Takechi et al column 3 lines 25-40) and to provide file system security (see NetWare page 2).

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As per claim 9, the modified Caffarelli et al, Takechi et al, and NetWare system discloses providing an external device an information identifying the rejection of the requested file operation if the requested file operation is rejected (Caffarelli et al see column 14 lines 17-21).

As per claim 12 and 22-25, the modified Caffarelli et al, Takechi et al, and NetWare system discloses the file attribute field has a size of 1 bit (see Caffarelli et al column 11 lines 45-48).

As per claims 13 and 21, the modified Caffarelli et al, Takechi et al, and NetWare system discloses a file descriptor including a field indicating whether or not a file exists (see column 11 lines 45-65), a field indicating whether the file is a directory or file (see figure 10 numbers 450, 455, 460, 470), a field indicating deletion of the file (see figure 10 number 490), a field indicating whether or not an associated directory is parent (see figure 10 number 535 and 540), a field indicating meta data (see column 11 line 30 through column 12 line 31), a field for storing the information of whether or not the file recorded on the optical disk is prohibited to be moved to another directory (see figure 10 number 450) with the attributes for copying, renaming and moving disclosed in Takechi et al and NetWare.

Response to Arguments

2. Applicant's arguments with respect to claims 1 and 5 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The UDF specification teaches fields associated with DVDs.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Pyzocha whose telephone number is (571) 272-3875. The examiner can normally be reached on 7:00am - 4:30pm first Fridays of the bi-week off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MJP


EMMANUEL L. MOISE
SUPERVISORY PATENT EXAMINER